

Title (en)

INTENT-BASED AUTOMATION ENGINEERING METHOD

Title (de)

ABSICHTSBASIERTES AUTOMATISIERUNGSENTWURFSVERFAHREN

Title (fr)

PROCÉDÉ D'INGÉNIERIE D'AUTOMATISATION BASÉE SUR L'INTENTION

Publication

EP 3705963 B1 20220720 (EN)

Application

EP 19161637 A 20190308

Priority

EP 19161637 A 20190308

Abstract (en)

[origin: EP3705963A1] The present invention is concerned with an intent-based automation engineering method for automation of a production process, comprising the steps:receiving an intent model (I), correlating to process intent, comprising production process functions, constraints on measurable properties on the production process functions and/or production process function sequences required for the production process;receiving a process model (P), correlating to process knowledge comprising a production process behaviour;determining a machine-readable production model (M) linking the received intent model (I) to the received process model (P); anddetermining a control strategy (S) for controlling the production process dependent on the provided production model (M).

IPC 8 full level

G05B 19/418 (2006.01)

CPC (source: EP US)

G05B 19/41885 (2013.01 - EP US); **G05B 2219/31368** (2013.01 - US); **G05B 2219/42155** (2013.01 - US)

Cited by

EP4020106A1; US11650574B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 3705963 A1 20200909; **EP 3705963 B1 20220720**; DK 3705963 T3 20221024; JP 2022519454 A 20220324; JP 7137019 B2 20220913; PL 3705963 T3 20221107; US 2021397173 A1 20211223; WO 2020182761 A1 20200917

DOCDB simple family (application)

EP 19161637 A 20190308; DK 19161637 T 20190308; EP 2020056255 W 20200309; JP 2021540560 A 20200309; PL 19161637 T 20190308; US 202117462017 A 20210831